## I claim:

1. A device for coupling light into an optical conductor having a light receiving surface onto which light can be projected, the device comprising:

an optical light element for generating the light, said optical light element containing:

a light-guiding body functioning as a housing having a luminous surface, said luminous surface having a coupling region corresponding directly to the light receiving surface of the optical conductor and being free of additional optical elements;

a reflector having a reflecting surface for focusing the light onto at least one of said coupling region of said luminous surface of said housing and the light receiving surface of the optical conductor;

electric terminals for supplying power and disposed in said housing; and

a photoelectric material disposed in said reflector and connected to said electric terminals, said photoelectric material generating the light.

## 2. An optical device, comprising:

an optical conductor having a light receiving surface onto which light can be projected; and

an optical light element for generating the light transmitted to said optical conductor, said optical light element containing:

a light-guiding body functioning as a housing having a luminous surface, said luminous surface having a coupling region corresponding directly to said light receiving surface of said optical conductor and being free of additional optical elements;

a reflector having a reflecting surface for focusing the light onto at least one of said coupling region of said luminous surface of said housing and said light receiving surface of said optical conductor;

electric terminals for supplying power and disposed in said housing; and

a photoelectric material disposed in said reflector and connected to said electric terminals, said photoelectric material generating the light.

- 3. The device according to claim 2, wherein said reflecting surface of said reflector has a geometry by which the light emitted by said photoelectric material is projected at a predetermined angle onto at least one of said coupling region of said luminous surface and said light receiving surface of said optical conductor.
- 4. The device according to claim 2, wherein said reflecting surface of said reflector has a shape selected from the group of a parabolic shape and an elliptic shape.
- 5. The device according to claim 2, wherein:

said reflector has an opening formed therein;

said coupling region forms a substantially flat area corresponding to said opening of said reflector; and

said light receiving surface of said optical conductor is disposed in a plane-parallel fashion relative to said coupling region.

6. The device according to claim 2, wherein said optical conductor has at least one optical fiber.

- 7. The device according to claim 2, wherein said optical conductor has a given diameter corresponding to an area of said coupling region.
- 8. The device according to claim 2, wherein said optical light element for generating the light is a light-emitting diode.
- 9. The device according to claim 6, wherein said optical fiber is formed from a material selected from the group consisting of glass and plastic.
- 10. The device according to claim 3, wherein said predetermined angle is an angle that is most favorable optically for reception in said optical conductor.
- 11. A light-emitting diode for use in an optical device, comprising:
- a base having electric terminals and configured in an illuminating direction as a reflector having a reflecting surface and a base rim bounding said reflecting surface;
- a photoelectric material disposed in said reflector and connected to said electric terminals; and

an optically conducting body functioning as a housing connected to said base, said housing having a luminous surface and surrounding said photoelectric material, said luminous surface having a coupling region constructed at a smallest possible distance from said base rim.

12. The light-emitting diode according to claim 11, wherein said reflector has an opening formed therein and said coupling region is a flat area disposed parallel to said opening.